

## I claim:

A method for recording high definition video images 1 1.

- 2 in real time comprising the steps of:
- acquiring a high definition video image in a first data 3
- 4 format;
- compiling the high definition video image in a second data 5
- 6 format; and
- 7 writing the high definition video image as a stripped data
- 8 file.
- The method of claim 1 wherein acquiring a high 1 2.
- definition video image in a first data format comprises: 2
- 3 acquiring a high definition video image in a YcbCr format.
- The method of claim 1 wherein compiling the high 3. 1
- 2 definition video image in a second data format comprises:
- compiling the high definition video image in an RGB 3
- 4 format.
- The method of claim 1 wherein compiling the high 4. 1
- 2 definition video image in a second data format further
- comprises: 3
- compiling the high definition video image in the first 4
- data format; 5
- translating the high definition video image in the first 6
- data format to a high definition video image in the second data 7
- format; 8
- filtering the high definition video image to eliminate 9
- translation artifacts; 10
- correcting the high definition video image; and 11
- packing the high definition video image in a second data 12
- 13 format packing mode.

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- The method of claim 4 wherein compiling the high 1 5.
- definition video image in a first data format comprises: 2
- compiling the high definition video image in a YcbCr 3
- 4 format.
- The method of claim 4 wherein translating the high 1 6.
- definition video image in the first data format to a high 2
- definition video image in the second data format comprises: 3
- translating the high definition video image in YcbCr 4
- format to a high definition video image in RGB format. 5
- The method of claim 4 wherein packing the high 1 7.
- definition video image in a second data format packing mode 2
- 3 comprises:
- packing the high definition video image in RGB12 format. 4
- 8. The method of claim 4 wherein translating the high 1
- definition video image in YcbCr format to a high definition 2
- 3 video image in RGB format comprises:
- using SMPTE 274M or ITU-BT Rec.709 or ITU-BT Rec.601 to 4
- translate the high definition video image from YcbCr format to 5
- a high definition video image in RGB format. 6
- An apparatus recording high-density video images in 1 9.
- real time comprising: 2
- means for compiling a high definition video image in a 3
- first data format; 4
- means for translating the high definition video image in 5
- the first data format to a high definition video image in a 6
- second data format; 7
- means for filtering the second format high definition 8
- video image to eliminate translation artifacts; 9

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second data format to a network.



10	means for correcting the second format high definition
11	video image;
12	means for packing the second format high definition video
13	image in a second data format packing mode
14	means for writing the packed high definition video image
15	as a stripped data file;
16 .	means for reading the stripped data file and compiling the
17	high definition video image in the second data format; and
18	means for providing the high definition video image in the

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